



delivering
WORLD-CLASS Compressors

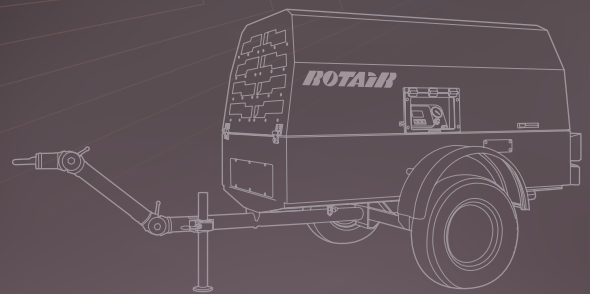
Built to Perform
Engineered to Last.

ROTAIR



STAGE V

MDVN | MDVS | VRK | GOMMAIR | TVR | VRH



**Portable
Compressors**

Reducing
Emissions
NOW!

Starting from
1100 lt/min - 39 cfm



Up to
12000 lt/min - 424 cfm

01





ROTAIR Compressors
Stage V Engine

Reducing Emissions NOW!

The pollutant emissions from combustion engines installed on non-road mobile machinery (NRMM) are a significant source of air pollution, releasing carbon monoxide (CO), hydrocarbons (HC), nitrogen oxides (NOx), and particulate matter. These machines, used in a wide range of sectors, include construction equipment (excavators, loaders, bulldozers, mobile compressors, etc.), agricultural machinery (combine harvesters, tractors, cultivators), and industrial equipment.

The European Union has adopted strict regulations to progressively reduce the environmental impact of these engines. With the introduction of **Stage V**, the European regulatory framework has set the most stringent limits on particulate matter and NOx emissions, forcing manufacturers to adopt advanced exhaust gas treatment technologies. Thanks to these standards, the EU has made significant progress in reducing pollution: compared to **Stage I**, introduced in 1999, particulate emissions have been reduced by **97%** (from 0.54 g/kWh to 0.015 g/kWh), while NOx emissions have decreased by **96%** (from 9.2 g/kWh to 0.4 g/kWh).

Projects related to electric and hydrogen-powered equipment are promising but do not yet provide a viable alternative for all construction machinery needs in the short term.

Implementing Stage V diesel engines is the most immediate solution to reducing emissions today!

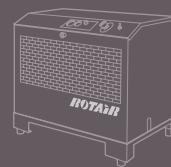
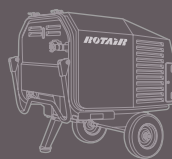
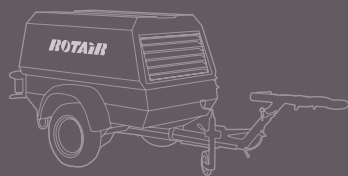
Diesel engine manufacturers have invested time and engineering expertise in developing a new generation of engines that comply with EU emission standards. These efforts have focused on optimizing the efficiency of the entire engine system, from air intake to exhaust, with highly effective results.

The adoption of **Stage V engines** not only ensures compliance with European regulations but also provides manufacturers and operators with a competitive advantage in terms of sustainability and operational efficiency.

ROTAIR was the **first compressor manufacturer** to introduce a fully developed, industrialized, and ready-to-use **Stage V model** in Europe in April 2019 at BAUMA. The first **MDVN 53 ECO5** unit was unveiled at the exhibition, with initial deliveries starting in early 2020 - even though the EU postponed the mandatory use of Stage V units to January 2021, triggering a frantic search for Stage IV-equipped units.

Today, **ROTAIR** offers a **complete range of portable compressors** in this category, featuring all the signature characteristics that define **ROTAIR** compressors, such as the **intelligent START/STOP system, pneumatic control system, easy maintenance accessibility, and high ambient temperature operation thanks to generously sized radiators**. Additionally, the lifecycle cost of **ROTAIR** compressors has been further optimized, offering improved value without compromising performance and efficiency.

Buying a ROTAIR Stage V mobile compressor means contributing to emission reduction now!



Portable Compressors

02



SPECIFIC
EUROPE



How do
ROTAIR®
compressors
achieve such
ambitious
goals?

Portable Compressors



START / STOP

"intelligent system" exclusive from **ROTAIR**



Accessibility for MAINTENANCE



STAGE V ENGINE

according to European legislation



03

Compressors Range



"Spin-on" filters for
QUICK & EASY MAINTENANCE



Specific models with
**AFTERCOOLER &
MOISTURE SEPARATOR**

Compressors Range

03



MDVN 22K Eco5

Free Air Delivery

2000 l/min	1600 l/min	1400 l/min
71 cfm	56 cfm	49 cfm

Operating pressure

7 bar	10 bar	12 bar
102 psi	145 psi	174 psi

Engine data

Kubota | D902-E4B
18,5 kW - 25 CV

Weights

480 kg / 1060 lbs (Axle without brakes)
545 kg / 1200 lbs (Axle with brakes)
430 kg / 948 lbs (SKID adapters)

Operational parameters

Max altitude: **1800 m s.l.m.**
Min/Max working temperature:
-10°C / +50°C | 14°F / 122°F



MDVN 26K Eco5

Free Air Delivery

2500 l/min	1900 l/min	1400 l/min
88 cfm	67 cfm	49 cfm

Operating pressure

7 bar	10 bar	12 bar
102 psi	145 psi	174 psi

Engine data

Kubota | D1105-E4B
18,5 kW - 25 CV

Weights

540 kg / 1190 lbs (Axle without brakes)
605 kg / 1330 lbs (Axle with brakes)
490 kg / 1080 lbs (SKID adapters)

Operational parameters

Max altitude: **1800 m s.l.m.**
Min/Max working temperature:
-10°C / +50°C | 14°F / 122°F



MDVN 26Y Eco5

Free Air Delivery

2650 l/min	2000 l/min	1400 l/min
94 cfm	71 cfm	49 cfm

Operating pressure

7 bar	10 bar	12 bar
102 psi	145 psi	174 psi

Engine data

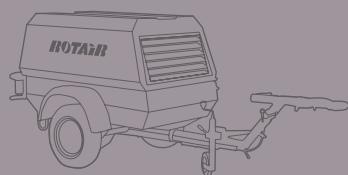
Yanmar | 3TNV76-XCY12D
16,9 kW - 23 CV

Weights

525 kg / 1157 lbs (Axle without brakes)
600 kg / 1323 lbs (Axle with brakes)
475 kg / 1047 lbs (SKID adapters)

Operational parameters

Max altitude: **1800 m s.l.m.**
Min/Max working temperature:
-10°C / +50°C | 14°F / 122°F



Portable Compressors



MDVN 30 Eco5

Free Air Delivery

2950 l/min
104 cfm

Operating pressure

7 bar
102 psi

Engine data

Rehiko (Kohler) | KSD1403NA
18,4 kW - 25 CV

Weights

590 kg / 1300 lbs (Axle without brakes)
650 kg / 1433 lbs (Axle with brakes)
530 kg / 1168 lbs (SKID adapters)

Operational parameters

Max altitude: **1800 m s.l.m.**
Min/Max working temperature:
-10°C / +48°C | 14°F / 118°F



MDVN 32B

Free Air Delivery

3200 l/min **2200 l/min** **1900 l/min**
113 cfm **78 cfm** **67 cfm**

Operating pressure

7 bar **10 bar** **12 bar**
102 psi **145 psi** **174 psi**

Engine data

Briggs&Stratton | Petrol
30 kW - 40CV

Weights

545 kg / 1202 lbs (Axle without brakes)
620 kg / 1367 lbs (Axle with brakes)
480 kg / 1058 lbs (SKID adapters)

Operational parameters

Max altitude: **1800 m s.l.m.**
Min/Max working temperature:
-10°C / +48°C | 14°F / 118°F



MDVN 34E

Free Air Delivery

3400 l/min **3000 l/min** **2100 l/min**
120 cfm **106 cfm** **74 cfm**

Operating pressure

7 bar **10 bar** **12 bar**
102 psi **145 psi** **174 psi**

Engine data

Siemens | Electric
22 kW - 400 V - 3P - 50 Hz

Weights

680 kg / 1499 lbs (Axle without brakes)
690 kg / 1521 lbs (Axle with brakes)
630 kg / 1389 lbs (SKID adapters)

Operational parameters

Max altitude: **1800 m s.l.m.**
Min/Max working temperature:
-10°C / +48°C | 14°F / 118°F

Compressors Range

03



MDVN 46 Eco5



MDVN 52 Eco5



MDVN 53 Eco5

Free Air Delivery

4500 l/min 159 cfm	3650 l/min 129 cfm	3550 l/min 125 cfm
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Operating pressure

7 bar 102 psi	10 bar 145 psi	12 bar 174 psi
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Engine data

Rehiko (Kohler) | KDI 1903 TCR St V
36,5 kW - 49,6 CV

Weights

960 kg / 2116 lbs (Axle without brakes)
1105 kg / 2436 lbs (Axle with brakes)
970 kg / 2138 lbs (SKID adapters)

Operational parameters

Max altitude: **1800 m s.l.m.**
Min/Max working temperature:
-10°C / +45°C | 14°F / 113°F

Free Air Delivery

5200 l/m. 184 cfm	4100 l/m. 145 cfm	4050 l/m. 143 cfm	3100 l/m. 110 cfm
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Operating pressure

7 bar 102 psi	10 bar 145 psi	12 bar 174 psi	14 bar 203 psi
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Engine data

Hatz | 3H50 TICD
42 kW - 57,1 CV

Weights

695 kg / 1532 lbs (Axle without brakes)
745 kg / 1642 lbs (Axle with brakes)
690 kg / 1521 lbs (SKID adapters)

Operational parameters

Max altitude: **1800 m s.l.m.**
Min/Max working temperature:
-10°C / +50°C | 14°F / 122°F

Free Air Delivery

5000 l/min 177 cfm	4900 l/min 175 cfm	3700 l/min 132 cfm
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Operating pressure

7 bar 102 psi	10 bar 145 psi	12 bar 174 psi
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Engine data

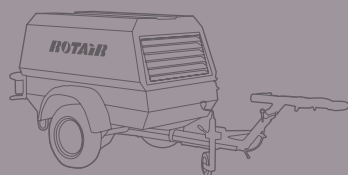
Rehiko (Kohler) | KDI 1903 TCR St V
36,5 kW - 49,6 CV

Weights

960 kg / 2116 lbs (Axle without brakes)
1105 kg / 2436 lbs (Axle with brakes)
970 kg / 2138 lbs (SKID adapters)

Operational parameters

Max altitude: **1800 m s.l.m.**
Min/Max working temperature:
-10°C / +45°C | 14°F / 113°F



Portable Compressors



MDVN 83 Eco5

Free Air Delivery

8000 l/min 283cfm	6400 l/min 226 cfm	5600 l/min 198 cfm
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Operating pressure

7 bar 102 psi	10 bar 145 psi	12 bar 174 psi
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Engine data

Rehiko (Kohler) | KD1 2504-TCR St V
55 kW - 74,8 CV

Weights

1320 kg / 2910 lbs (Axle without brakes)
1395 kg / 3075 lbs (Axle with brakes)
1330 kg / 2932 lbs (SKID adapters)

Operational parameters

Max altitude: **1800 m s.l.m.**
Min/Max working temperature:
-10°C / +50°C | 14°F / 122°F



MDVS 125 Eco5

Free Air Delivery

12000 l/min 424 cfm	11000 l/min 388 cfm	10000 l/min 353 cfm
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Operating pressure

7 bar 102 psi	10 bar 145 psi	12 bar 174 psi
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Engine data

Rehiko (Kohler) | KD1 3404 TCR
105 kW - 142,8 CV

Weights

680 kg / 1499 lbs (Axle without brakes)
690 kg / 1521 lbs (Axle with brakes)
630 kg / 1389 lbs (SKID adapters)

Operational parameters

Max altitude: **1800 m s.l.m.**
Min/Max working temperature:
-10°C / +50°C | 14°F / 122°F

FIBER OPTIC

Portable Compressors



START & STOP

"Intelligent System"
exclusive from **ROTAIR**



Accessibility for
MAINTENANCE



COMPACT DESIGN
extremely maneuverable



04

Compressors Range



**HIGH QUALITY
AIR OUTPUT**

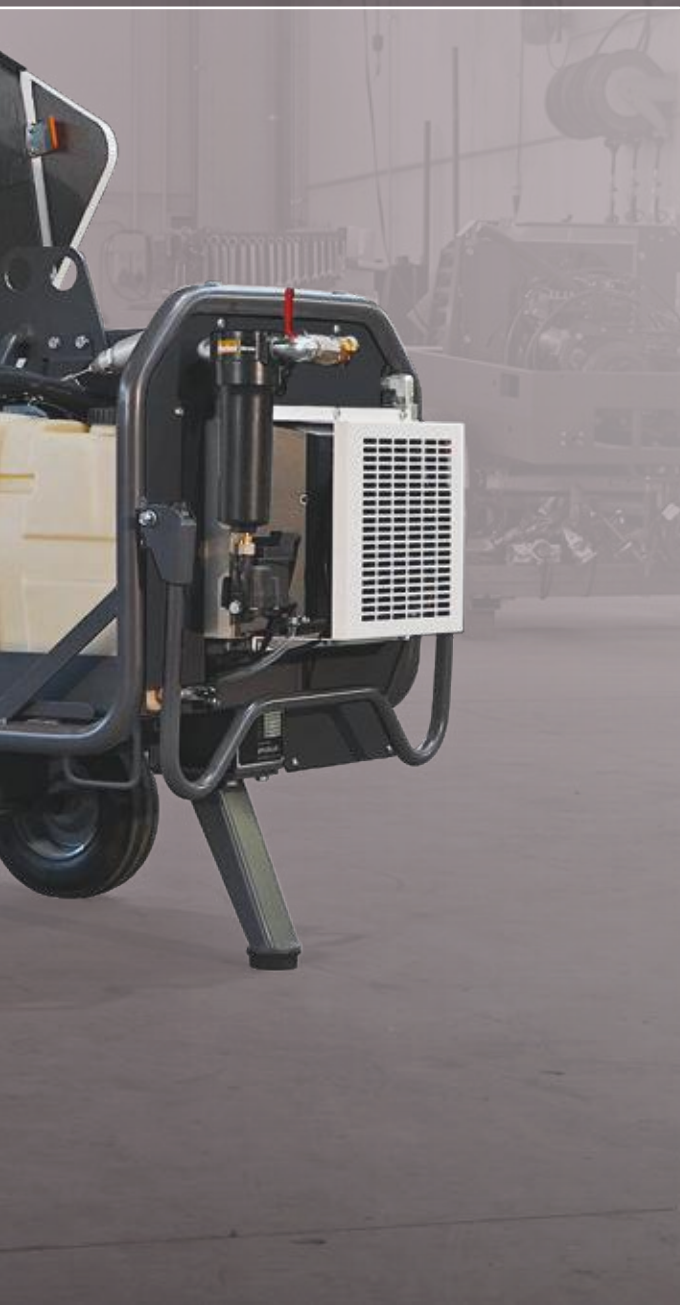


DRY AIR

integrated moisture separator



**AFTERCOOLER and
MOISTURE SEPARATOR**



Compressors Range

04



VRK **FIBRA**

Free Air Delivery

1000 l/min
35 cfm

Operating pressure

15 bar
218 psi

Engine data

Honda | GX 630
15,5 kW - 21,1 CV | 3200 rpm

Weights

240 kg / 529 lbs
240 kg / 529 lbs (SKID adapters)

Operational parameters

Max altitude: **1800 m s.l.m.**
Min/Max working temperature
-10°C / +50°C | 14°F / 122°F

Quality of air

Oil in air: **1-3 PPM**
Compressed air temp.: **ambient +20°C | +36°F**



VRK **FIBRA** EVO

Free Air Delivery

1200 l/min
42 cfm

Operating pressure

15 bar
218 psi

Engine data

Honda | GX 690
16,5 kW - 22,4 CV | 3100 rpm

Weights

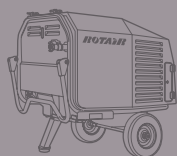
240 kg / 529 lbs
240 kg / 529 lbs (SKID adapters)

Operational parameters

Max altitude: **1800 m s.l.m.**
Min/Max working temperature
-10°C / +50°C | 14°F / 122°F

Quality of air

Oil in air: **1-3 PPM**
Compressed air temp.: **ambient +20°C | +36°F**



FIBER

Portable Compressors



VRK **FIBRA PLUS**

Free Air Delivery

1000 l/min
35 cfm

Operating pressure

15 bar
218 psi

Engine data

Honda | GX 630
15,5 kW - 21,1 CV | 3200 rpm

Weights

250 kg / 551 lbs
250 kg / 551 lbs (SKID adapters)

Operational parameters

Max altitude: **1800 m s.l.m.**
Min/Max working temperature:
-10°C / +50°C | 14°F / 122°F

Quality of air

Oil in air: **1-3 PPM**
Compressed air temp.: **ambient +0°C / +2°C | +0°F / +3,6°F**



VRK **FIBRA PLUS EVO**

Free Air Delivery

1200 l/min
42 cfm

Operating pressure

15 bar
218 psi

Engine data

Honda | GX 690
16,5 kW - 22,4 CV | 3100 rpm

Weights

250 kg / 551 lbs
250 kg / 551 lbs (SKID adapters)

Operational parameters

Max altitude: **1800 m s.l.m.**
Min/Max working temperature:
-10°C / +50°C | 14°F / 122°F

Quality of air

Oil in air: **1-3 PPM**
Compressed air temp.: **ambient +0°C / +2°C | +0°F / +3,6°F**

Compressors Range

04



VRK DRY ICE

Free Air Delivery

1200 l/min
42 cfm

Operating pressure

10 bar 145 psi	12 bar 174 psi	OPTIONAL DUAL PRESSURE
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Engine data

Honda | GX 690
16,5 kW - 22,4 CV | 3400 rpm

Weights

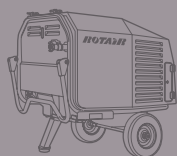
250 kg / 551 lbs
250 kg / 551 lbs (SKID adapters)

Operational parameters

Max altitude: **1800 m s.l.m.**
Min/Max working temperature
-10°C / +46°C | 14°F / 115°F

Quality of air

Oil in air: **1-3 PPM**
Compressed air temp.: **ambient +0°C / +2°C | +0°F / +3,6°F**



Portable Compressors



VRK 16

Free Air Delivery

1600 l/m	1100 l/m	950 l/m
57 cfm	39 cfm	34 cfm

Operating pressure

6 bar	11 bar	13 bar
87 psi	160 psi	188 psi

Engine data

Honda | GX 630
15,5 kW - 21,1 CV | 3000 rpm

Weights

220 kg / 485 lbs
220 kg / 485 lbs (SKID adapters)

Operational parameters

Max altitude: **1800 m s.l.m.**
Min/Max working temperature
-10°C / +50°C | 14°F / 122°F

Quality of air

Oil in air: **1-3 PPM**
Compressed air temp.: **ambient +40°C | +72°F**



VRK 20

Free Air Delivery

1900 l/m	1250 l/m	1100 l/m
67 cfm	44 cfm	39 cfm

Operating pressure

6 bar	11 bar	13 bar
87 psi	160 psi	188 psi

Engine data

Honda | GX 690
16,5 kW - 22,4 CV | 3000 rpm

Weights

220 kg / 485 lbs
220 kg / 485 lbs (SKID adapters)

Operational parameters

Max altitude: **1800 m s.l.m.**
Min/Max working temperature
-10°C / +50°C | 14°F / 122°F

Quality of air

Oil in air: **1-3 PPM**
Compressed air temp.: **ambient +40°C | +72°F**

Compressors Range

05



GOMMAIR

Free Air Delivery

1100 l/min 39 cfm	930 l/min 33 cfm	800 l/min 28 cfm
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Operating pressure

7 bar 102 psi	11 bar 160 psi	13 bar 185 psi
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Engine data

Yanmar | 2TNV70
10,5 kW - 14,3 CV

Weights

315 kg / 694 lbs

Operational parameters

Max altitude: **1800 m s.l.m.**
Min/Max working temperature:
-10°C / +50°C | 14°F / 122°F



TVR 30-55-80

Free Air delivery

3120 l/min 110 cfm	5375 l/min 190 cfm	8000 l/min 283 cfm
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Operating pressure

7 bar 102 psi	7 bar 102 psi	7 bar 102 psi
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Connection to PTO

Rotation PTO

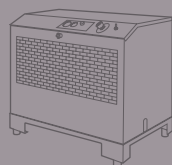
1" 3/8 Z6 DIN 9611A | 540 rpm

Direction of Rotation

Counter-clockwise from the front of the TVR
(possibility of additional option to adapt the direction of rotation to the tractor)

Weights

TVR 30 > 300 kg / 661 lbs
TVR 55 > 400 kg / 882 lbs
TVR 80 > 640 kg / 1411 lbs



BOX-TYPE

Hydraulic Compressors



VRH 10-90

	VRH 10	VRH 15	VRH 20	VRH 25	VRH 30	VRH 35
Free Air Delivery	1100 l/m 39 cfm	1500 l/m 53 cfm	2000 l/m 70 cfm	2500 l/m 88 cfm	3000 l/m 106 cfm	3500 l/m 124 cfm
Operating pressure	8-10-13 bar 116-145-189 psi	8-10-13 bar 116-145-189 psi	8-10-13 bar 116-145-189 psi	8-10-13 bar 116-145-189 psi	8-10-13 bar 116-145-189 psi	7-10 bar 102-145 psi
Weights	185 kg 407 lbs	185 kg 407 lbs	225 kg 495 lbs	225 kg 495 lbs	225 kg 495 lbs	225 kg 495 lbs
Quality of air	1-3 PPM	1-3 PPM	1-3 PPM	1-3 PPM	1-3 PPM	1-3 PPM
	VRH 40	VRH 50	VRH 55	VRH 60	VRH 70	VRH 90
Free Air Delivery	4000 l/m 141 cfm	5000 l/m 177 cfm	5500 l/m 195 cfm	6000 l/m 212 cfm	7000 l/m 247 cfm	9100 l/m 321 cfm
Operating pressure	8-10 bar 116-145 psi	7-8 bar 102-116 psi	7-8 bar 102-116 psi	8-10 bar 116-145 psi	7-8 bar 102-116 psi	8 bar 116 psi
Weights	350 kg 770 lbs	350 kg 770 lbs	350 kg 770 lbs	660 kg 1452 lbs	660 kg 1452 lbs	600 kg 1323 lbs
Quality of air	1-3 PPM	1-3 PPM	1-3 PPM	≤ 3 PPM	≤ 3 PPM	≤ 3 PPM

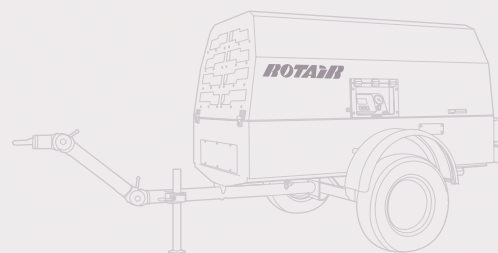
Compressors Range



SPECIFIC
EUROPE

MDVN | MDVS | VRK | GOMMAIR | TVR | VRH

Portable Compressors



STAGE V

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ROTAIR

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Via Bernezzo, 67
12023 ▶ Caraglio (Cn) ▶ ITALY

Ph: +39 0171 619676

rotairspa.com
info@rotairspa.com



Azienda certificata
ISO 9001:2015

